Group Telephone System

User's Manual

Table of Contents

CHAP 1 BRIEF INTRODUCTION & FEATURES 3

1.1 SYSTEM OVERVIEW 3

1.2 FEATURES 3

CHAP 2 INSTALLATION & CONNECTION 5

2.1 SYSTEM CONFIGURATION 5

2.2 SYSTEM APPEARANCE 6

2.3 INSTALLATION ATTENTION 7

2.4 WARNING 7

2.5 GROUND CONNECTION 7

2.6 INSTALLATION PROCEDURE 8

2.7 DIRECT ACCESS WHEN POWER FAILURE 8

CHAP 3 SYSTEM PROGRAMMING 9

PROGRAMMING NOTICE 9

ENTER PROGRAMMING STATUS 9

3.1 RESTORE THE DEFAULT SETTING 10

3.2 CHANGE PASSWORD 10

3.3 ENABLE/DISABLE C.O. LINES 10

3.4 OPERATOR MODE / AUTO-ATTENDANT MODE 10

3.5 RECORDING OUTGOING MESSAGE 11

3.6 MONITORING THE RECORDED MESSAGE 11

3.7 MONITORING THE HOLDING MUSIC 11

3.8 OPERATOR SETTING 12

3.9 AUTO-ATTENDANT MODE NO DIAL PROCESS 12

3.10 C.O. LINE TRANSFER NO ANSWER PROCESS 12

3.11 DIALING OUT MODE SETTING 12

3.12 C.O. LINE RINGING ASSIGNMENT 13

3.13 SERVICE GRADE SETTING 13

3.14 RESTRICTION GROUP SETTING 13

3.15 ASSIGN SPECIAL CALLING NUMBER 14

3.16 SETTING CALL DURATION FOR EXTENSION 14

3.17 ASSIGN EXTENSION ACCESS FOR USING C.O. LINES 15

3.18 FLEXIBLE EXTENSION NUMBER 15

CHAP 4 OPERATING INSTRUCTION 16

4.1 ANSWERING CALLS AT OPERATOR MODE 16

4.2 ANSWERING CALLS AT AUTO-ATTENDANT MODE 16

4.3 CALL PICK UP 16

4.4 OUTWARD DIALING DIRECTLY 16

4.5 C.O. LINE BOOKING 17
4.6 C.O. LINE SELECTING 17
4.7 OUTGOING CALL TRANSFER 17
4.8 CALL TRANSFER 17
4.9 THREE WAY CONFERENCE (2 EXTENSIONS AND 1 C.O. LINE) 18
4.10 C.O. LINE RESERVATION 19
4.11 INTERCOM CALLING 19
4.12 CALL OPERATOR 19
4.13 QUERY FUNCTION 19
4.14 PRIORITY ACCESS AND MONITORING (FOR 601 EXTENSION) 20
4.15 CLEAR EXTENSION FUNCTION SETTING 20
4.16 CALL FORWARDING 20
4.17 CALL BUSY TRANSFER 21
4.18 NO DISTURBING 21
4.19 CALL ALL EXTENSIONS (EMERGENCY CALL) 21

CHAP 5 TROUBLESHOOTING 22
APPENDIX Ⅰ GLOSSARY 23
APPENDIX Ⅱ DEFAULT SETTINGS 24
APPENDIX Ⅲ SYSTEM PROGRAMMING INSTRUCTION 25
APPENDIX Ⅳ OPERATION INSTRUCTION 27

Chap 1 Brief Introduction & Features

1.1 System Overview

With its design and manufacture according to G.712 and G.732 protocols of CCITT, the system integrates virtues of various KTSs with advanced functions of PABX, and has unique advantage in innovation. As a type of new generation with over 50 powerful functions for business and management, it has wide application in offices, enterprises, hotels……etc. In a word, it is a ideal equipment for users to better communication conditions, improve work efficiency, control call fee payment, and make office intelligent come true.

1.2 Features

- **Normal phone programming :** use normal phone programming, not need the specialized key phone.
- **Multiple Dial-Out Mode:** Can choose dial-out number 9 or direct dial CO line.
- **Coming Caller ID:** Ringing extension and operator display caller number.
- **Coming Call Prompt:** When all the extensions are busy, if external line calling (including door phone), the system will prompt the set ringing extension.
- **Difference of the ringing:** internal call, external call and door phone call have different ringing.
- **Auto-attendantlOperator Mode:** the incoming calls from C.O. lines can be set up the operator mode or the auto-attendant mode freely.
- **Dial inlout Setting:** can set any ringing extension and the using access of CO lines.
- **CO Line Booking:** when the CO lines are busy but urgently to call, the system will prompt the extension when CO line available.
- **CO Line Reservation:** any extension can reserve the CO line and do others operations.

- **Call Transfer and Pickup:** all external and internal calling can be transferred, other ext. ringing can be picked up and not need answer the ringing ext. This system have many kind of pickup ways, including exts. pickup, CO line pickup and reservation, etc.
- **Flexible extension number**: The number of extension can be set up one to four digits.
- **Power Failure Memory:** when power failure, the system can remain all the settings and just use all the functions when power again.
- **Remote control programming:** It can sustain remote maintenance, process remote control programming, detect and maintain, which facilitate the users to install and test, and provide quick and effective service to users.

CS/CS+424/432model still have the functions as below:

- **CO. line transfer CO. line:** Can be the conversation between two extensions and one CO. line, also can transfer the calling to other CO. line for the conversation between one extension and two CO. lines (including the two CO. lines conversation individual).
- **Telephone Routing:** User can choose different CO. lines to dial different number to save telephone charges.

Chap 2 Installation & Connection

Before Installation

For easy and quick installation and connection, it is strongly recommended that the user read and follow the following instruction carefully so as not to damage the system accidentally by incorrect operation.

2.1 System Configuration

Model	CS208	CS308	CS312	CS416	CS424	CS432
CO.line ports	2	3	3	4	4	4
Exts. Ports	8	8	12	16	24	32
Transfer Music	Piano music					
IP Dialing	No					
Voice Report	Tone(DU)					
Auto Attendant	CS/CS+424/432 three paragraphs 50s, others one paragraph 12s					
Dial Mode	Tone					
Caller ID	Normal caller ID					

Note: Some of special functions of CS/CS+424/432, please refer the complementary user manual of CS/CS+424/432.

2.2 System Appearance

208/308/312/416 front

424/432 front

208/308 rear

424 rear

312/416 rear

432 rear

2.3 Installation Attention

> The telephone exchange shall be installed in a stable indoor place with dry, ventilated environment. (Temperature Range: 0-45℃, Humidity Range: 20%-80%.Avoid straight sun shine or in the environment of flammable or caustic gas.) Special telephone wire is preferable.

> A marginal space around the exchange should be remained for heat sink, inspection and maintenance of the system.

> A wall bore is available at the underside of mainframe for wall installation. Desk installation is also admitted. But the contact of wall bolt and circuit board inside the mainframe should be avoided.

> Please keep the exchange away from other equipment producing large electromagnetic disturbance (such as motor and large transformer).

> None of the wiring of any extension should share the pipeline with power supply or antenna. Neither should the extension be close to antenna for air broadcasting (including short-wave).

> Please don't impact or shake the exchange at any situation. Don't remove the exchange in working status.

2.4 Warning

> The wiring should not be done in thundering.

> Avoid using telephone in thundering.

> Please don't use the telephone in flammable and leaking gas environment.

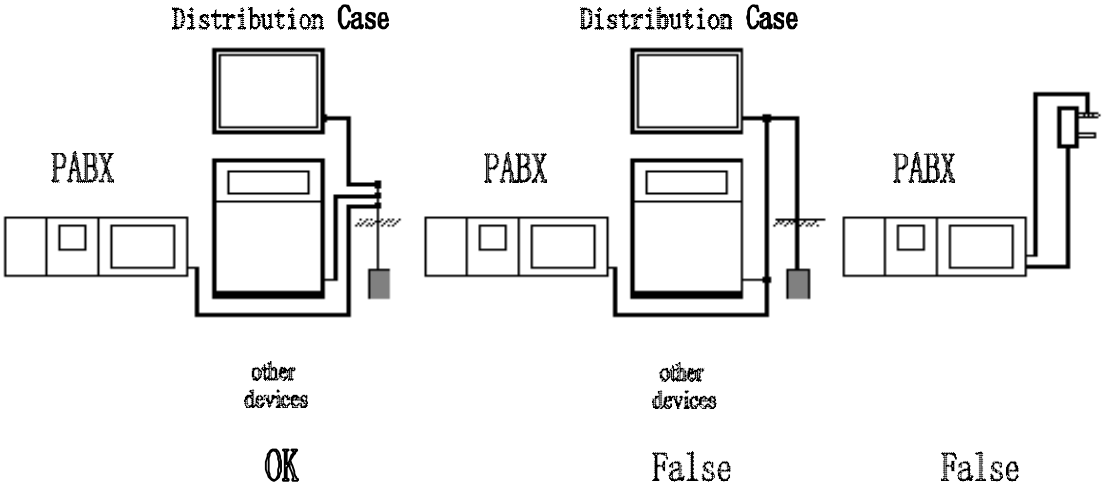
> Unless the equipment is disconnected, please don't touch the broken part of the wiring or any connection ends.

2.5 Ground Connection

For the sake of personal safety and communication quality, grounding of PABX should be reliable. Or else, the lightning-proof device inside would fail to work.

Resistance to ground should be less than 5 ohm.

Grounding as follows:



2.6 Installation Procedure

> Before installation, please check all the parts if have any looseness, take care the supply power switch if is shut down.

> Connect the monomer-crystal with EXT. line and C.O. line separately, use the normal telephone to test the C.O. line if is ok.

> Connected all the wires, take the power on and to see if the indicator light twinkling, if yes that mean the system working.

2.7 Direct Access when Power Failure

The C.O. lines will be connected direct to the special Exts automatically when the power failure. The No.1 C.O. line will be connected to Ext. 601 and No.2 to Ext.602, No.3 to Ext.603, No. 4 to Ext.604. So you only can use the four Exts as normal phone with direct C.O. line.

For example when someone call in with No.1 C.O. line at the time of power failure, the Ext.601 will ring, you can only pick up Ext. 601 and talk with the caller.

Chap 3 System programming

The system has the initialize settings when left factory, user can use it normally when installed and connected well, don't need refer this chapter; if user want to change some settings, that should be refer this chapter.

Programming Notice

> Using DTMF phone as extension, and all setting must be done on extension 601-604.

> User will hear a prompt tone "du" when input is correct while three "du" for incorrect input. Notice that input is only allowed when the prompt tone finished or it will be invalid and incorrect input may happened. Once programming finishes, it can keep on working without restart.

Enter Programming Status

> Commands can be continuously input, press "#" to indicate the end of command. If there is any mistake during programming, just press "*" to restart without hang up.

> Trunks mean telephone line from local ISP, connect with the PABX port C01-C04, also called C.O. Lines; User Lines mean the line which connect with the PABX port 601-632, also called internal line, the connected telephone called extension.

> If programming-extension (601,602,603,604) is in Direct-Dialing-Out mode, you should press * # * XXXX; if programming-extension (601,602,603,604) is in Indirect-Dialing-Out mode, you should press # * XXXX (XXXX is the programming password, default password is 0000); When hear a prompt tone "du" mean entered the system programming status, the method of changing password please refer the format "Change Password"; if input wrong password, when heard the wrong prompt tone and then input the password again (not need input * # *).

☞ Notice: 1. following programming settings should be on the status of programming;

2. When programming, the extension sequence number is 01-32 (two digits), and C.O. line number is 1-4 (one digit).

3.1 Restore the default setting

Format: 0 0 0 0 #

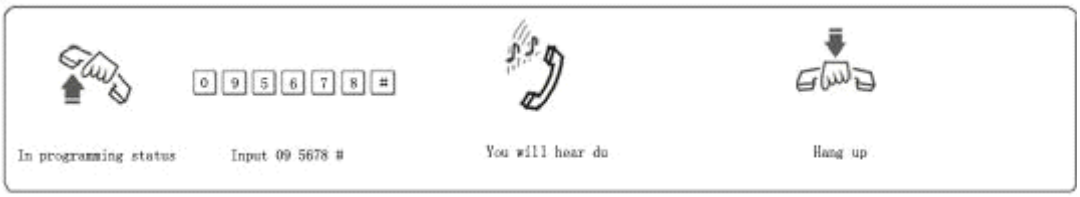
Description: Please wait the confirm tone, see Appendix II for the details of default setting; this will not change the setting of “Flexible code”.

3.2 Change password

Format: 09EFGH#

Explanation: EFGH is the new system password.

Description: to change the password of system programming.

Example: Changing the system password from “0000” to “5678”

☞ We suggest changing the password before using.

3.3 EnableIDisable C.O. Lines

Format: 0 6 0 0 # Enable all C.O. lines

0 6 1 0 # Disable all C.O. lines

0 6 0 M # Enable the M C.O. line, M = 1 – 4

0 6 1 M # Disable the M C.O. line, M = 1 – 4

Note: If the C.O. line port has C.O. line, it should be enabled; if the C.O. line port has no C.O. line, then it should be disabled.

3.4 Operator mode I Auto-attendant mode

Format: 1 0 # All C.O. lines are auto-attendant mode

1 0 M # No. M C.O. line is auto-attendant mode (M=1-4)

1 1 M # No. M C.O. line is operator mode (M=1-4)

1 1 # All C.O. lines are operator mode.

Description: If the setting is operator mode, when there is an incoming by C.O. line, the extensions that have already been set will ring simultaneously. Pick up to talk or to transfer, the extensions which do not ringing can also answer it use the call pick up order; if the setting is auto-attendant mode, when there is an incoming by C.O. line, C.O. line will hear digital record, and if dial one of the extension number and it will ring, if dial 0 for in query, the operator will ring.

3.5 Recording outgoing message

(For 424I432 models, the outgoing message is three paragraphs 50 seconds, please refer the complementary user manual for the details)

Format: 1 2 #

Description: input 12# in the state of system programming, it begin 8-second-digital record double audio frequency phone and pick up handset for recording. User can do recording for several times until satisfy.

3.6 Monitoring the recorded message

(For 424I432 models, the outgoing message is three paragraphs 50 seconds, please refer the complementary user manual for the details)

Format: 1 3 #

Description: In the state of system programming, it begin record listen in when hear “du” and end it when hear “du” again. Record can do several times until satisfy, better makes the practical effect of the C.O. line incoming as final standard.

3.7 Monitoring the holding music

Format: 1 4 #

Description: In the state of system programming, it begin music listen in when hear “du” and end it when hear “du” again.

3.8 Operator setting

Format: 1 5 N # (N=01-32)

Description: This command can set any extension as the operator by user's request.

3.9 Auto-attendant mode no dial process

Format: 1 6 0 # Release the C.O. line

1 6 1 # Transfer to operator

Description: When there is an incoming by C.O. line, after playing the recorded message, if the caller did not dial the extension number, use this command to set the C.O. line connect to operator or cut it.

3.10 C.O. line transfer no answer process

Format: 1 6 2 # C.O. line transfer no answer, call back transferring extension,

This is the default setting.

1 6 3 # C.O. line transfer no answer, do not call back transferring extension.

Description: When there is an incoming by C.O. line, after playing the recorded message, if the caller did not dial the extension number, use this command to set the C.O. line connect to operator or cut it.

3.11 Dialing out mode setting

Format: 2 N 0 # No. N extension is direct outgoing, N=01-32

2 N 1 # No. N extension is indirect outgoing, press 9 for outgoing, N=01-32

2 0 # All extensions are direct outgoing

2 1 # All extensions are indirect outgoing, press 9 for outgoing,

This is the default setting.

3.12 C.O. line ringing assignment

Format: 3 M N 0 # Enable one extension ringing

3 M N 1 # Disable one extension ringing

3 M # Disable all extensions ringing

Description: In operator mode, can set the ringing extension at the same time of C.O. line calling, these extensions also are the caller ID extensions. The format can be set repeat, M=1-4, N=01-16 (should be the front 16 extensions). When set it, should be disable all extensions ringing first and then to set it.

3.13 Service grade setting

Format: 4 0 N L # Set service grade is the grade L of extension N, N=01-32, L=0-6

4 0 L # Set all extensions are grade L, L=0-6

Description: L is the grade number, from 0 to 6, the details as below:

L=0 permit to dial the special calling number only

L=1 No call out limitation

L=2 Call out with limiting of international distance dialing

L=3 Call out with limiting of domestic distance dialing

L=4 Call out with limiting initial of item A

L=5 Call out with limiting initial of item B

L=6 Forbid local call, only intercom is allowed.

3.14 Restriction group setting

Group A setting:

Format: 41 QQ ABCD # QQ is the group number, from 01-16

41 # Clear all the call out limitation of initial of item A

41 QQ # Clear the call out limitation of initial of group QQ in item A

Description: Limitation A can lock 16 groups of 4-digit initial, ABCD is the initial of the number to be locked, it can be ended with # if digit less than 4. User can set for internal or international telephone limitation, or special number. This setting only can be effect for the service grade 4 extensions.

Group B setting:

Format: 42 QQ ABCD # QQ is the group number, from 01-16

42 # Clear all the call out limitation of initial of item B

42 QQ # Clear the call out limitation of initial of group QQ in item B

Description: The setting similar as Group A. This setting only can be effect for the service grade 5 extensions.

3.15 Assign special calling number

Format: 43 PP ABCD # PP is the number of group, from 01-16

43 # Clear all the first-digit number of dialing out

43 PP # Clear the licensed first-digit of dialing out of group PP.

Description: 16 groups 4-digit first-digit can be used, ABCD is the first-digit of the locking numbers, it should be less than 4 digits, ended with #. Licensed dialing means that the first-digit of the locking numbers of certain locked extensions can be rescind. More convenience can be achieved when calling these certain telephone number. This setting only can be effect for the service grade 3 extensions.

3.16 Setting call duration for extension

Format: 6 N T T # Set no. N extension call duration time is TT minutes for each time

6 N 0 0 # Set no. N extension no time limitation calling.

Description: This just set the extension call duration time for each time, TT is the limitation time (two digits), unit is minutes, from 01-99. For example, if the calling time of extension 606 must be limited in 8 minutes, the user can press 60608# in programming status.

3.17 Assign extension access for using C.O. lines

Format: 7 M N 0 # No. N extension can use no. M C.O. line, N=01-32, M=1-4

7 M N 1 # No. N extension can not use no. M C.O. line

7 M # All extensions can use no. M C.O. line

For example: If you want to set extension 603 can not use C.O. line 2, and extension 606, 608 can use C.O. line 1, the format as: 72031#, 71060#, 71080#

3.18 Flexible extension number

Format: 9 0 0 0 # Restore the factory setting.

9 N abcd # Change the number of extension N to abcd.

Description: N is the sequence number of the extension, abcd is the new number, 1 to 4 digits number, ended by #, the new numbers range from 1-8999, all the extensions must not be same number and must be same digits. The length of new number must follow the extension no.1, it must be emphasized that if the length of new number changed, all the extensions must be reset after setting extension no.1. Any two new numbers couldn't be same, otherwise abnormity will appear. For example, to set the extension number to 4-digit number (6001-6040), the user should press 9016001#, then press 9026002#, 9036003# ……one by one, up to 9406040#.

Chap 4 Operating Instruction

☞ **Importance Notice: If you choose indirect outgoing dialing out mode, no need to dial * in following operation.**

4.1 Answering calls at operator mode

The extension(s) set to ring will ring when an incoming call is received, and pick up the handset you may answer the call directly.

4.2 Answering calls at auto-attendant mode

No extension will ring when an incoming call is received, the message recorded will be heard before dialing extension number.

Remark: 1. You can set different DISA mode;

2. When a caller dial “0” for inquiry, operator extension will ring. If operator extension is busy, then system can use the function “busy call transfer”.

4.3 Call pick up

Format: off-hook + * # 9

Description: Not ringing extension can answer the incoming call and transfer also.

Note: when the internal line calling, not ringing extension also can answer the internal line calling by press *#9.

The sequence of picking up as below:

1. external line calling and transfer; 2. external line reservation; 3. internal line calling.

4.4 Outward dialing directly

Format: off-hook + telephone number (direct dial-out mode)

off-hook + 9 + telephone number (indirect dial-out mode)

4.5 C.O. line booking

Format: off-hook + *#0

Description: If C.O. lines are busy and calling has to be done immediately, a booking of C.O. line will be done and will be clue to the current user.

4.6 C.O. line selecting

Format: off-hook + * # 1 M (M=1-4) (indirect dial-out mode not need press *)

Description: You can use this command to select some one C.O. line to dial out.

4.7 Outgoing call transfer

Format: refer the operation of call transfer. This function must be delayed the charging time after dialing C.O. line. **(This function must be effect after dialing the last number of telephone number 5 seconds)**

Description: This function let you make an outgoing call from one extension then transfer the call to another extension to connect with C.O. line. For example, busy manager can let secretary to dial out and then transfer to manager to hear the call.

4.8 Call transfer

Format: during conversation + pat hook + extension number

Description: during the conversation of outgoing call or incoming call, if talking extension need transfer the call to another extension, just pat the hook (or press FLASH button), and dial the extension number within 5 seconds. The called extension ringing, he can hear the call or transfer the call to another extension. During the transfer and conversation in the extensions, external line hear music for waiting, please see the two conditions as below:

- **Consulting transfer:** transferring extension does not hang up, this time transferring extension hear tone, called extension ringing and external line hear music. If within 25

seconds, the called extension does not answer the call, the transferring extension will restore the conversation with external line or transfer again. If within 25 seconds, the called extension answers the call, the transferring extension will talking with the called extension, then one extension will hang on and other extension will talk with external line.

- **Transfer directly and call back:** after dialing the called extension number (operate correct and hear the tone), the transferring extension hang up, this time called extension ringing and external line hear music. If within 25 seconds, the called extension does not answer the call, system will call back the transferring extension and restore the conversation with external line or transfer again. If within 30 seconds for the system calling back, the transferring extension does not hear the call, the system will cut off the call automatically.

☞ **Note:**

- After patting the hook, if heard “du du du” wrong tone, that means the system is busy and can pat the hook (or press FLASH button) again and again, until can hear the right tone and then transfer the call.

- During the transfer, if dial wrong extension number, system will send “du du du” wrong tone, can dial the number again till transfer finished.

- During the transfer, if dial wrong extension number or the called extension is busy, system will send “du du du” wrong tone, can dial the number again till transfer finished.

- After transferring extension hang on, before called extension heard the call, the transferring extension can hear the call again by dial *#9 or transfer again.

4.9 Three way conference (2 extensions and 1 C.O. line)

Format: during conversation + pat hook + * + extension number

Description: during the conversation between one extension and one C.O. line, the talking extension can pat the hook (or press FLASH button) and press * and then dial another extension number within 5 seconds. When the called extension hear

the call, and the three way conversation will be built; after one extension hang on and other extension will talk with the C.O. line continue.

4.10 C.O. line reservation

Format: during conversation + pat hook + ##

Description: during the conversation between the extension and one C.O. line (including outgoing call, incoming call or pick up call), the extension can press ## to reserve the C.O. line. At this time, C.O. line hear the music for waiting, the longest time is 2 minutes. During the reservation, operator does not need hang on and can press #9 to pick up other C.O. line calling and then transfer to other extension, also can dial other extension. If operator need connect with the reserved C.O. line again, can press *#9.

4.11 Intercom calling

Format: off-hook + * + extension number (direct dial-out mode)

off-hook + extension number (indirect dial-out mode)

4.12 Call operator

Format: off-hook + * + 0 (direct dial-out mode)

Description: This function can be used on fast dial and inquiry operator.

☞ For CS/CS+424/432, this function can be set or canceled by system programming.

4.13 Query function

- **Extension sequence number query (through DU DU tone)**

Format: off-hook + *#60 (direct dial-out mode)

Description: The number of DU DU tone indicate the extension number. The number “0” of the extension is indicated by ten times DU tone, other numbers same as DU

tone. The time between the two DU tone is 0.5 seconds and 1.5 seconds between two numbers.

- **Extension number query (through CID)**

Format: off-hook + *#61 (direct dial-out mode)

4.14 Priority access and monitoring (For 601 extension)

Format: off-hook + *#7M (M=1-4)

Description: Establish direct connection with C.O. line when this line is occupied. This feature ensures the director or owner of a company monitor the C.O. line conversation.

4.15 Clear extension function setting

Format: off-hook + *#80

Description: This command will clear all functions that extension set, such as no disturbing/call divert/call forwarding/C.O. line booking, etc. This command has no effect to other extension.

4.16 Call forwarding

Format: off-hook + *#81 + extension number Enable call forwarding function.

Off-hook + *#81# Disable call forwarding function

Description: Allows an extension to transfer incoming calls automatically to another extension.

Remark: 1. Input “*” at first if the extension in direct dial-out mode.

2. After successful setting, you can hear a beeper.

3. This setting can not be saved if the system power off.

4.17 Call busy transfer

Format: off-hook + *#82 + extension number Enable call busy transfer function.

Off-hook + *#82# Disable call busy transfer function

Description: When an extension is busy allow it to transfer incoming calls automatically to another extension.

Remark: 1. Input "*" at first if the extension in direct dial-out mode.

2. After successful setting, you can hear a beeper.

3. This setting can not be saved if the system power off.

4.18 No disturbing

Format: off-hook + *#83 (direct dial-out mode)

Description: When an extension is setting to no disturbing mode, it will not ring.

4.19 Call all extensions (Emergency call)

Format: off-hook + *#88 (direct dial-out mode)

Chap 5 Troubleshooting

BREAKDOWN	CAUSE	SOLUTION
Running light malfunction	Power off	Check the power socket and power supply
Dial-out malfunction	External line disconnected or not connected well	Connect to the external line well
No incoming telephone display	Devoid function of incoming telephone display or wrong setting of No-disturbing and it status	Application to telecommunication office or rescind the No-disturbing and set incoming telephone display
Extension no dial tone and no ringing	Disconnected wiring or malfunction of telephone	Reconnect the wiring or try to remove the telephone's failure
Extension has dial tone but no ringing	Set transfer or no disturbing	Disable transfer or no disturbing function
	Extension ringing closed	Check the ringing if it is normal
	Telephone ringing problem	Change another telephone
Extension no dial tone but has ringing	External line wiring malfunction	Check the wiring well and connect again
	System not work	Close the system power, and restart again later
	Telephone malfunction or wrong programming	Change the telephone and programming again
Limited calling time	Time limited	Rescind the limit for the calling time
Others	Others	Refer to professional

Appendix Ⅰ Glossary

Programming extension----------Extension No.601, 602, 603, 604

Priority access extension----------Extension No.601

N----------Series number of the extensions (01-32 with corresponding input ports 601-632) (two digits)

M----------Series number of the exterior line (No.1-4with corresponding input ports of Line 1- 4

EFGH----------System programming password

abcd----------Number of the extension(1-8999,except for the digits with the first digit of 0 or 9,outward code of special trunk line, in equal length)is accordance with N.

QQ----------First-digit restrict group number (01-16)

ABCD----------Licensed or restricted number of first 1-4 digits

L----------Service grade(Grade of private passwords or outgoing call),

grade 0-6

PP----------Licensed Group Number (01-16)

TT----------Time in minute for call duration control, ranges from (01 to 99)

Appendix II Default settings

- All the C.O. lines are operator mode
- The extension number 601-632
- The first operator is 602
- The extensions are indirect dial-out mode (press 9)
- The ringing extensions are 601 and 602
- All extensions allowed to use all the C.O. lines
- Extensions outgoing call no time limitation
- Flash time is 1000ms
- All extensions restriction grade is 2
- System default password is 0000
- Telephone routing closed
- Internal Caller ID not add initial digits

Appendix Ⅲ System programming instruction

Following settings should be in the status of programming (on the programming extension 1-4 press *#*XXXX, hear DU tone is ok, XXXX is programming password, default setting is 0000), the extension sequence number N=01-32 (two digits), and C.O. line sequence number M=1-4 (one digit).

Note: following functions (including appendix Ⅳ) of the suit scope for the models, please refer to the details in each chapter.

No.	Description		Format
1	Restore the default setting		0000#
2	Change programming password		09EFGH#
3	Enable/disable C.O. lines	Enable all C.O. lines	0600#
		Disable all C.O. lines	0610#
		Enable M C.O. line (M=1-4)	060M#
		Disable M C.O. line (M=1-4)	061M#
4	Attendant Mode	Operator mode for all CO lines	11#
		Operator mode for M CO line	11M#
		Auto-attendant for all CO lines	10#
		Auto-attendant for M CO line	10M#
5	OGM Recording		12#
6	OGM Monitoring		13#
7	Music Monitoring		14#
8	Operator Setting		15N#
9	No dial in auto-attendant	Release C.O. line	160#
		Transfer to operator	161#
10	C.O. line transfer no answer process	Call back the extension	162#
		Don't call back	163#
11	Extension Dial-out Mode	Single direct dialing out	2N0#
		Single indirect dialing out	2N1#

		All direct dialing out	20#
		All indirect dialing out	21#
12	C.O. line ringing assignment	Add single extension	3MN0#
		Clear single extension	3MN1#
		Clear all extensions	3M#
13	Service grade setting	Set single extension	40NL#
		Set all extensions	40L#
14	Restriction Item A	Add restriction	41 QQABCD #
		Clear all restriction item A	41 #
		Clear group QQ	41 QQ #
	Restriction Item B	Add restriction	42 QQABCD#
		Clear all restriction item B	42 #
		Clear group QQ	42 QQ #
15	Special Initial digits of number	Add initial digits	43PP ABCD#
		Clear all initial digits	43 #
		Clear group PP	43 PP #
16	Outgoing restriction time	Setting ext. N restriction time	6N TT #
		Clear ext. N restriction time	6N 00 #
17	Extension access of using C.O. lines	No. N extension can use no. M	7 M N 0 #
		No. N extension can not use no. M	7 M N 1 #
		All extensions can use no. M C.O.	7 M #
18	Flexible Extension number	Single extension setting	9 N ABCD #
		Restore default setting	9000#

Appendix Ⅳ Operation instruction

Note: following operations in the status of the extension is in indirect-dial-out mode, don't need input " * "; if the extension is in direct-dial-out mode, that should input " * ".

No.	Description		Format
1.	Outward Dialing		Off-hook + (9) + phone number
2.	Intercom Calling		Off-hook+(*) + ext. No.
3.	Outgoing Call Transfer		Off-hook + (9) + phone number
4.	Three Way Conference		Conversation+ pat hook + * + Ext. No.
5.	C.O. Line Reservation		Conversation+ pat hook + # + #
6.	External Call Transfer		Conversation+ pat hook + Ext. No.
7.	Coming Call Pickup		Off-hook+(*) + # + 9
8.	Dialing Operator		Off-hook+(*) + 0
9.	C.O. Line Booking		Off-hook+(*) + # + 0
10.	Call Pickup C.O. Line		Off-hook+(*) + # + 1+M
11.	Inquiry of ports		Off-hook+(*) + # + 6 0
	Inquiry of Ext.		Off-hook+(*) + # + 6 1
12.	Priority Access and Monitoring		Off-hook+(*) +# + 7+M
13.	Manager Function	Setting	Off-hook+(*) + # + 81 + Ext. No
		Clearing	Off-hook+(*) + # + 81 + #
14.	Busy Transfer	Setting	Off-hook+(*) + # + 82 + Ext. No.
		Clearing	Off-hook+(*) + # + 82 + #
15.	Don't Disturb		Off-hook+(*) + # + 83
16.	Call All Extensions		Off-hook+(*) + # + 88